STANDARDIZED PERMIT SERIES DETERMINATION
A, B, C and SMALL QUANTITY C

David H. Fell & Co., Inc._____ __6009 Bandini Blvd. Bell, CA 90040_____CAL 000110 141_____
Facility Name/Address EPA I.D. Number

__9/21/07_____
Date

Determine the total volume of hazardous waste treated, or that will be treated, per month and/or the total storage design capacity under the Standardized Permit authorization at this facility. Please check the box that indicates the highest volume of hazardous waste managed.

A. Total hazardous waste treatment volume and/or weight regulated under the standardized permit:

46725.00 T.E.G_____ gallons/month liquid and/or _____ pounds or tons/month solid.

T.E.G (Total Equivalent Gallon)

B. Total hazardous waste storage capacity, at any one time, regulated under the standardized permit:

500000.00_____ gallons liquid and/or _____ pounds or tons/solid.

(A) TOTAL EQUIVALENT GALLONS

SERIES	TOTAL MONTHLY TREATMENT VOLUME	TOTAL FACILITY STORAGE DESIGN CAPACITY	CHECK ONE
A	Greater than 50,000 gallons. Greater than 100,000 pounds.	Greater than 500,000 gallons. Greater than 500 tons.	
B	Greater than 5,000 gallons and less than 50,000 gallons. Greater than 10,000 pounds and less than 100,000 pounds.	Greater than 50,000 gallons and less than 500,000 gallons. Greater than 100,000 pounds and less than 500 tons.	******
C	Less than 5,000 gallons. Less than 10,000 pounds.	Less than 50,000 gallons. Less than 100,000 pounds.	
SMALL QUANTITY C	Less than 1,500 gallons. Less than 3,000 pounds.	Less than 15,000 gallons. Less than 30,000 pounds.	

GALLONS - LIQUID HAZARDOUS WASTE
POUNDS/TONS - SOLID HAZARDOUS WASTE

Region _____

For DTSC Use Only

STANDARDIZED PERMIT NOTIFICATION FOR EXISTING OR PROPOSED HAZARDOUS WASTE FACILITIES

Please refer to the instructions available from DTSC before completing this form.

Initial Notification for New Facility ☐ Revised/Renewal Notification for Existing Facility X

I. FACILITY INFORMATION

EPA ID NUMBER _CAL 000 110 141_ _ _ _ _ _ _ _ _ _ BOE NUMBER (if available) Hy__HQ_36041573_ _ _ _ _ _ _ _ _ _

NAME (Company or Facility) David H. Fell 7co., Inc_____
(DBA--Doing Business As)

FACILITY ADDRESS _____6009 Bandini Blvd. CA _____

CITY ___Bell_____ CA ZIP __90040_____-_____

COUNTY __Los Angeles County_____

LOCATION (list major cross streets, or nearby landmark)

___Eastern Ave._____

(Latitude & Longitude) __34 degree, 59', 7", 118degree, 9', 15"_____

CONTACT PERSON ____Rafii_____Max _____
(Last Name) (First Name)

TITLE _HS & Environmental Affairs Manager_____

TELEPHONE NUMBER (__323___) __7229992____- _____

II. MAILING ADDRESS, IF DIFFERENT:

COMPANY NAME (DBA) PO Box 910952, 0952 _____

STREET _____

_____

CITY __Los Angeles_____ STATE __CA__ ZIP 90091-0952_____-_____

COUNTRY _____
(Complete only if not USA)

CONTACT PERSON _____ _____
(Last Name) (First Name)

TELEPHONE NUMBER (_____)_____-_____

STANDARDIZED PERMIT NOTIFICATION FOR EXISTING OR PROPOSED HAZARDOUS WASTE FACILITIES

III. FACILITY OPERATOR INFORMATION

NAME _Fell_____ _Larry_____
(Last Name) (First Name)

ADDRESS _6009B Bandini Blvd._____

_____

CITY Bell _____ STATE __CA__ ZIP __90040_____-_____

TELEPHONE NUMBER(__323___)___722___-__9992_____

IV. FACILTIY OWNER INFORMATION

NAME _Fell_____ __Larry_____
(Last Name) (First Name)

ADDRESS __6009 Bandini Blvd._____

_____

CITY _Bell_____ STATE _CA___ ZIP __90040_____-_____

COUNTRY _____
(Complete only if not USA)

TELEPHONE NUMBER(_____)_____-_____

OWNERSHIP STATUS: Federal ☐ State ☐ Public ☐ Private X☐

V. LAND OWNER INFORMATION

NAME _Sondra Hauge Amended and restated inter vivos Trust_____
(Last Name) (First Name)
David Herman Fell 1999 revocable inter vivos

ADDRESS _6009 Bandini Blvd._____

CITY __Bell_____ STATE _CA___ ZIP _90040_____-_____

COUNTRY _____
(Complete only if not USA)

TELEPHONE NUMBER(__323___)_722____-__9992_____

TELEPHONE NUMBER(__323___)_722____-__9992_____

VI. DESCRIPTION OF BUSINESS ACTIVITIES: SIC CODES _3341_____ _____

DHF transfers hazardous waste containing silver and other precious metals from known off-site generators to the facility under manifest or under bill of lading, when qualifying under small quantity exemption. _The hazardous waste is analyzed _in the DHF laboratory to determine its precious metals contents. The incoming waste is processed to maximize the reclamation of precious metals in the physical form requested by customers. The DHF treatment and storage units are located in an enclosed building as shown in the facility plot plan attached.

_The treatment room located on the west side of the DHF facility is divided into a melting room on the north end and powder processing room on the south end as identified in the plot plan attached. The process flow diagram attached, describes the treatment processes used to refine and smelt the incoming waste in the melting room into precious metals ingots and beads and the treatment process used to produce the precious metal powder in the powder processing room. The melting room, where the refining and smelting process are conducted, contains gas furnaces and induction furnaces, which are identified on attached facility plot plan. The furnaces produce precious metals ingot and slag. Gases and particulate from the furnaces are ducted to two air pollution control systems (baghouses) located outside near the northwest corner of the facility as shown in the plot plan attached. In the powder processing room, the incoming waste and slag from the furnaces are processed through mechanical size reduction equipment. An evaporator unit located outside the facility near the northeast corner evaporates hazardous waste generated in the melting and fabrication room, and return the solid left in th evaporator to the treatment process. Solid waste and liquid waste storage units are located in the facility to facilitates treatment processes. All storage units are identified in the plot plan attached.

VII. FACILITY STATUS

A. Other Environmental Permits or Construction Approvals Held or Applied For:

☐ NPDES

☒ Air Quality Permit

☐ Waste Discharge Requirements

☐ Land Use Permit

☐ Local Industrial Sanitation District

☐ TSCA PCB Permit

☐ HW Full Permit

☐ Hazardous Waste (HW) Permit By Rule

☐ HW Conditional Authorization

☐ HW Conditional Exemption

X ☐ HW Transporter Registration

Other _____

B. Is facility on Indian Lands? Yes ☐ No X ☐

STANDARDIZED PERMIT NOTIFICATION FOR EXISTING OR PROPOSED HAZARDOUS WASTE FACILITIES

VIII. HAZARDOUS WASTE INFORMATION FOR ENTIRE SITE

A.	_	_9_____	Total number of hazardous waste storage units
	__	__0_____	Number of storage units under full HW facility permit
	___	_9_____	Number of storage units under standardized permit
B.	__	_27_____	Total number of hazardous waste treatment units
	_____		Number of treatment units under full HW facility permit
	__	_27_____	Number of treatment units under standardized permit
	____	_0_____	Number of treatment units under HW permit by rule
	____	__0____	Number of treatment units under HW conditional authorization
	____	__0____	Number of treatment units under HW conditional exemption

C. Briefly describe <u>all</u> hazardous waste treatment and/or storage activities to be conducted at the facility. Include treatment under a full permit, Permit by Rule, treatment under Conditional Authorization, treatment under Conditional Exemption, and storage and/or treatment under the Standardized Permit. Annotate the description of each of the storage/treatment activities as Permit By Rule (PBR), Conditional Authorization (CA), Conditional Exemption (CE), or Standardized Permit (SP) as appropriate. Note that detailed unit-specific information forms for each unit that is or will be authorized under the Standardized Permit are required attachments to this notification (Modify the form if more spaces are needed)

DHF transfers hazardous waste containing silver and other precious metals from known off-site generators to the facility under or under bill of lading, when qualifying under small quantity exemptions. The hazardous waste is analyzed in the DHF laboratory to determine its precious metals contents. The incoming waste is processes to maximize the reclamation of precious metals in the physical form requested by customers. The DHF treatment and storage units are located in an enclosed building as shown in the facility plot plan attached.
_(SP)

The treatment room located on the west side of the DHF facility is divided into a melting room_ on the north end of_ and powder processing room on the south end as identified in the plot plan attached._ The process flow diagram attached, describes the treatment processes used to refine and smelt the incoming waste in the melting room into precious metals ingots and beads and the treatment process used to produces the precious metal powder in the powder processing room. _The melting room, where the refining and smelting process are conducted, contains gas furnaces and induction furnaces, which are identified on attached facility plot plan. The furnaces produces precious metal ingot and slag. _Gases and particulates from the furnaces are ducted to two air pollution control systems (baghouses) located outside near the northwest corner of the facility as shown in the plot plan.

_In the powder processing room, the incoming waste and slag from the furnaces are processed through mechanical size reduction equipment , which are identified in the facility plot plan attached. An evaporator unit located outside the facility near the northeast corner evaporates hazardous waste water generated in the melting and fabrication rooms, and returns the solid waste left in the evaporator to the treatment process. Solid waste and liquid waste storage units are located in the facility to facilitate treatment processes. All storage units are identified in the plot plan attached.

STANDARDIZED PERMIT NOTIFICATION FOR EXISTING OR PROPOSED HAZARDOUS WASTE FACILITIES

IX. REQUIRED ATTACHMENTS

X A. A scaled map to show the facility location including major freeways and cross streets.

X B. A scaled diagram to show the facility site/plot map indicating the buildings, parking lots, and landscape areas.

X C. A scaled diagram to show the locations of hazardous waste management units to be permitted under the standardized permit.

x D. A unit description information sheet for each of the hazardous waste storage and/or treatment units that will be under the Standardized Permit.

X. OWNER CERTIFICATION

"I certify that the unit or units described in these documents will meet the eligibility and operating requirements of state statutes and regulations for the standardized permit tier. I understand that I am required to provide financial assurance for this facility, and I am required to conduct a corrective action program as part of the standardized permit application to be submitted to the Department of Toxic Substances Control."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who will manage the system or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for known violations."

__Larry Fell_____President_____

Name (Print or Type) Title

Signature Date Signed

XI. OPERATOR CERTIFICATION

"I certify that the unit or units described in these documents will meet the eligibility and operating requirements of state statutes and regulations for the standardized permit tier. I understand that I am required to provide financial assurance for this facility, and I am required to conduct a corrective action program as part of the standardized permit application to be submitted to the Department of Toxic Substances Control."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who will manage the system or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for

submitting false information, including the possibility of fines and imprisonment for known violations."

Larry Fell — President

Name (Print or Type) — Title

Signature — Date Signed

II. LAND OWNER CERTIFICATION

I [We] certify under penalty of law that I [we] am [are] familiar with the operations conducted by _Sondra Hauge Amended and restated inter vivos Trust_and David Herman Fell 1999 revocable inter vivos_____ [Names of Operators] of ___DHF &Co., Inc _____[Name of Facility] at __6009 Bandini Blvd, Commerce CA 90040_____[address] on the property owned by _____[owner's name or his/her designee], that I [we] have reviewed this permit application, and to the best on my [our] knowledge, information, and belief, find it to be true and accurate. I [We] understand this application is being submitted for the purpose of obtaining a Standardized Permit to operate a hazardous waste storage and treatment facility.

I [We] understand fully that I [we], as the land owner, located thereon, am [are] jointly and severally responsible for compliance with applicable provisions of the California Health and Safety Code, its implementing regulations and any permit issued pursuant to the applications of these regulations.

H

__David Herman Fell_____ _____Sondra ____Hauge_____

Name (print or type) Title Name (print or type) Title

Signature Date Signature Date

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Ball Mill #1 (located in the powder processing section)

I TREATMENT PROCESS

PROCESS DESCRIPTION	PROCES S CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Grinding operation	T2	1	170	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008, D011	172, 591	Jewelry sweeps/powder	T2	unknown	3400/per month	P
D008	171	Sink Sludge	T2	unknown	2000/per month	P

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams either as received, following the roaster furnace, or the jaw crusher is placed in the ball mill by hand scooping/shoveling and sealed. The mill vibrates causing steel balls to grind the material to a fine powder. The mill empties into the screen. The screen separates the + and – 60 mesh material. The over size is swept out.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Screen #2 (Located in the powder processing section)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
screening	T2	1	100	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D011 D008	172 171 591	Jewelry sweeps/powder Sink Sludge	T2	unknown	100	p
D008 D011	172, 591	Baghouse Waste	T2	unknown	Varies for each lot	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste streams either as received, following the roaster furnace, or jaw crusher or ball mill or rod mill is placed in the screen by hand scooping/shoveling or is directly input from ball mill. Material greater and smaller than 60 mesh are separated by vibrating the screen. The fines fall directly into a sealed drum. The oversize is swept out.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME screen #3 (Located in the powder processing section)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCES S CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
screening	T2	1	100	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D011, D008	172 171 591	Jewelry sweeps/powder Sink Sludge	T2	unknown	12000.00 per month	P
D008 D011	172 591	Baghouse Waste	T2	unknown	Not known	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste streams either as received following the roaster furnace or jaw crusher or ball mill or rod mill is placed in the screen hand scooping/shoveling or is directly input from ball mill. Material greater and smaller than 60 mesh are separated by vibrating the screen. The fines fall directly into a sealed drum. The over size is swept out.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Ball Mill #4

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Jewelry sweeps	T2	1	170	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D011, D008	172 591	Jewelry sweep/powder	T2	unknown		na
D011	171	Sink Sludge	T2	unknown	6800/mo	p
D008 D011	172 591	Baghouse Waste	T2	unknown	500/mo	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams either as received, following the roaster furnace, or jaw crusher is placed in the ball mill by hand scooping/shoveling and sealed. The mill vibrates causing steel balls to grind the material to a fine powder. The mill empties to the screen. The screen separates the + and – 60 mesh material. The –60 mesh material falls into a sealed drum. The over size is swept out.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME screen #5 (Located in the powder processing section)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
screening	T2	1	120	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172, 171, 591	Jewelry sweeps/powder Sink Sludge	T2	unknown	2000 per month	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams either as receiving, following the roaster furnace, or the jaw crusher or ball mill or rod mill is placed on the screen by hand scooping/shoveling. The screen vibrates separating + and – 60 mesh powder. Powder passing through the screen goes directly into a sealed drum. The over size is swept out.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME V-Blander #6 (Located in the powder processing Section)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCES S CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
blending	T2	1	500	P

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172, 591	Jewelry sweep/powder	T2	unknown	2000	p
D011	171	Sink Sludge	T2	unknown	2000	p
D008 D011	172 591	Baghouse Waste	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams, following the roaster furnace and other powder processing activities (such as grinding/screening) is placed in the blender by hand scooping/shoveling. Powder passing through a 60 mesh screen is put into the blender. The machine is sealed and started rotating. Material is then emptied into a drum, sampled and sealed.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Drum Blender #7

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
blending	T2	1	50	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008, D011	172, 591	Jewelry sweeps/powder	T2	unknown	1000	p
D011	171	Sink Sludge	T2	unknown	2000	p
D008 D011	172 591	Baghouse Waste	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Small lots of hazardous waste (50 pound) from any of the designated streams, following the roaster furnace or jaw crusher, after passing the 60 mesh screen falls into a small drum. The drum is sealed and placed in the blender. The drum rotates, mixing the material and is then removed by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Rod Mill -#8 (Located in the Powder Processing Section)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
grinding	T2	1	30	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps/powder	T2	unknown	600 per month	p
D011	171	Sink Sludge	T2	unknown	2000	p
D008 D011	172 591	Baghouse Waste	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams, following the roasting furnace, or the jaw crusher is placed in the rod mill by hand scooping and sealed. The mill rotates grinding the material to a fine powder. The mill is emptied into a drum by hand scooping.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Rod Mill #9 (located in the powder processing room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Jewelry sweep/powder	T2	1	30	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D088 D011	172 591	Jewelry seeps/powder	T2	unknown	600 per month	P
D011	171	Sink Sludge	T2	unknown	2000	p
D008 D011	172 591	Baghouse Waste	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams, following the roaster furnace, or the jaw crusher is placed in the rod mill, by hand scooping and sealed. The mill rotates grinding the material to a fine powder. The mill is emptied into a drum by hand scooping.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Ball Mill #12 (located in the powder processing room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Jewelry sweeps/powder	T2	1	400	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps/powder	T2	unknown	12000 per month	p
D011	171	Sink Sludge	T2	unknown	2000	p
D008 D011	172 591	Baghouse Waste	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams, either as received, following the roaster furnace, or the jaw crusher, is placed in the ball mill by shoveling and sealed. The mill rotates grinding the material to fine powder. The mill is emptied to a tray by hand scooping/shoveling.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Jaw crusher #13 (located in the powder processing Room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Jewelry sweeps/powder	T2	1	500	p

II WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps/powder	T2	unknown	12000 per month	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams, following the roaster furnace or as received, is poured down the throat of the jaw crusher by hand scooping/shoveling. The particles fall into a sealed tray.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Roaster Furnace # 14 (Located in the Melt Room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Drying/burning	T2	1	200	P

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps-powder	T2	unknown	387 per month	p
D011	171	Sink Sludge	T2	unknown	2000	p
D008 D011	172 591	Baghouse Waste	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams as received is placed into the trays by hand scooping/shoveling, then trays are placed into the roaster furnace and burned at approximately 900 F-1000F. The trays then are placed in the cooling box and cooled, then the material is either processed in the powder processing section (grinding or screening) or is stored in a drum.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Induction Furnace # 15 (located in the Melt Room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION - melting process	PROCES S CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting furnace	T2	1	200	Troy Ounces

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D088 D011	172 591	Jewelry sweeps-powder	T2	.5%	823 per month	P
D011	171	Sink Sludge	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste stream is placed in the furnace. The material is brought up to between 1900 degree F and 2300 degree F. all of the material is poured out of the crucible into molds. one or more of the chemical (boric acid, soda ash, borax, sodium nitrate) used based on the types and the quantities of the material which are charged to the furnace . The slag which is generated from this operation is put into an approved 55-gallon metal drum and brought to powder processing units and processed. After the mold cools, the bars are removed from the molds by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Induction Furnace # 16 (Located in the melt room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION - melting process	PROCES S CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting furnace	T2	1	200	Troy Ounces

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps-powder	T2	5%	2000 per month	Pounds
D011	171	Sink Sludge	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste stream is placed in the furnace. The material is brought up to between 1900 degree F and 2300 degree F. all of the material is poured out of the crucible into molds. one or more of the chemical (boric acid, soda ash, borax, sodium nitrate) used based on the types and the quantities of the material which are charged to the furnace . The slag which is generated from this operation is put into a approved 55-gallon metal drum and brought to powder processing units and processed. After the mold cools, the bars are removed from the molds by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Induction Furnace # 17 (located in the melt Room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION melting process	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting furnace	T2	1	500	Troy ounces

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps-powder	T2	.5%	400 per month	p
D011	171	Sink Sludge	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste stream is placed in the furnace. The material is brought up to between 1900 degree F and 2300 degree F. all of the material is poured out of the crucible into molds. one or more of the chemical (boric acid, soda ash, borax, sodium nitrate) used based on the types and the quantities of the material which are charged to the furnace . The slag which is generated from this operation is put into a approved 55-gallon metal drum and brought to powder processing units and processed. After the mold cools, the bars are removed from the molds by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Induction Furnace # 18

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting furnace	T2	1	16	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps-powder	T2	5%	645 per month	p
D011	171	Sink Sludge	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste stream is placed in the furnace. The material is brought up to between 1900 degree F and 2300 degree F. all of the material is poured out of the crucible into molds. one or more of the chemical (boric acid, soda ash, borax, sodium nitrate) used based on the types and the quantities of the material which are charged to the furnace . The slag which is generated from this operation is put into an approved 55-gallon metal drum and brought to powder processing units and processed. After the mold cools, the bars are removed from the molds by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Induction Furnace # 18A

I. TREATMENT PROCESS

PROCESS DESCRIPTION melting process	PROCES S CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting furnace	T2	1	450	P

II WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps-powder	T2	.5%	20000.00 per month	P
D011	171	Sink Sludge	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste stream is placed in the furnace. The material is brought up to between 1900 degree F and 2300 degree F. all of the material is poured out of the crucible into molds. one or more of the chemical (boric acid, soda ash, borax, sodium nitrate) used based on the types and the quantities of the material which are charged to the furnace . The slag which is generated from this operation is put into a approved 55-gallon metal drum and brought to powder processing units and processed. After the mold cools, the bars are removed from the molds by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Gas Furnace #19 (located in the Melt Room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting process	T2	1	300	Troy ounces

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps-powder	T2	unknown	6430 per month	pounds
D011	171	Sink Sludge	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams is placed into the crucible by hand scooping/shoveling and then placed into the furnace. The material is brought up to between 1900-2300 degree F. all of the material is poured out of the crucible into molds. One or more of the chemicals (boric acid, soda ash, borax sodium nitrate) are charged to the furnace . The slag generated in this operation is put into a approved 55-gallon metal drum and brought to powder processing section for processing. After the molds cools, the bars are removed from the molds by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Gas Furnace # 20 (located in the Melt Room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting process	T2	1	300	TO

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweep/powder	T2	unknown	806 per month	p
D011	171	Sink Sludge	T2	unknown	500	500

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated streams is placed into the crucible by hand scooping/shoveling and then placed into the furnace. The material is brought up to between 1900 - 2300 degrees F. All of the material is poured out of the crucible into molds. One or more of the chemicals (boric acid, soda ash, borax, sodium nitrate), are charged to the furnace. The slag generated in this operation is put into an approved 55-gallon metal drum and brought to powder processing section for processing. After the molds cools, the bars are removed from the molds by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Gas furnace #21 (located in the melt room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting operation	T2	1	450	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps/powder	T2	unknown	2000 per month	pounds
D011	171	Sink Sludge	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste streams is placed into the crucible by hand scooping/shoveling and then placed into the furnace. The material is brought up to 1900-2300 F. All of the materials are poured out of the crucible into molds. One or more of the chemicals (boric acid, soda ash, borax, sodium nitrate) are used based on the type and the quantities of the material which are charged to the furnace. The slag which is generated from this operation is put into an approved 55-gallon metal drum and brought to powder processing units and processed. After the molds cools, the bars are removed from the molds by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Gas furnace #22 (located in the melt room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting operation	T2	1	1500	P

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps/powder	T2	unknown	25000.00/per month	p
D011	171	Sink Sludge	T2	unknown	500	p

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste streams is placed into the crucible by hand scooping/shoveling and then placed into furnace. The material is brought to 1900-2300 F. All of the material is poured out of the crucible into molds. One or more of the chemicals (boric acid, soda ash, borax, sodium nitrate) are used based on the types and quantities of the material which are charged to the furnace. The slag generated from this operation is placed into a 55-gallon metal drum and brought to the powder processing units for processing. After the molds cools, the bars are removed by hand.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME __Gas Furnace #23__(located in the melt room)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Melting process	T2	1	1500	p

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry sweeps/powder	T2	unknown	25000/month	p
D011	171	Sink Sludge	T2	unknown	500	500

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

Hazardous waste from any of the designated waste streams is placed into the crucible by hand scooping/shoveling and then placed into furnace. The material is brought to 1900-2300 F. All of the material is poured of the crucible into molds. One or more of the chemicals (boric acid, soda ash, borax, sodium nitrate) are used based on the types and quantities of the material which are charged to the furnace. The slag generated from this operation is put into a approved 55-gallon metal drum and brought to powder processing units for processing. After the molds cools, the bars are removed.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Baghouse #1 (located out side in the backyard (north side of the facility)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Emission Control	T2	1	NA	NA

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172, 591	Jewelry Sweeps, Baghouse Waste	T2	unknown		

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

All emissions from the melting/powder processing units in the facility are connected to the Baghouses. When the bags are saturated with contaminants, they are removed by hand and burned in Roaster Furnace #14 to recover any existing precious metals.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Baghouse #2 (Located outside in the backyard (northside)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCES S CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Emission Control	S-2	1	NA	NA

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172,591,	Baghouse Waste	T2	unknown	NA	NA

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

All emissions from the melting/powder processing in the facility is connected (ducted) to the baghouses. When the bags in the baghouse are saturated with contaminants, they are removed by hand and burned in Roaster Furnace #14, to recover any existing precious metals.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

UNIT NAME Evaporator (Located outside in the backyard. North side of the facility)

I. TREATMENT PROCESS

PROCESS DESCRIPTION	PROCESS CODE	# OF EQUIPEMENT	PROCESS DESIGN CAPACITY	UNIT OF MEASURE
Evaporation of waste water	T2	1	250	G

II. WASTE TREATED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D011	171, 491	Waste water generated in the facility due to the washing of the metal parts.	T2	unknown	1000 per month	G
D008		Lead	T2	unknown	unknown	unknown

(Modify the form if more than 5 waste streams are treated by this process)

III. NARRATIVE DESCRIPTION OF TREATMENT UNIT

The wash water generated from melt room and Fabrication room is transferred to the Evaporator. The sludge accumulated in this unit is transferred to the roaster furnace to be dried and then burned to recover any precious metals.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area #1 (Located in the Powder processing Area)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
16.0' x 10 0'	S-1	21 of any size container	1155 Total Equivalent Gallons	G

I. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry powder/sweeps	S-1	.5%	1155	T.E.G
D011	171	Sink Sludge	S-1	unknown	unknown	unknown
D008 D011	172 591	Baghouse Waste	S-1	unknown	unknown	unknown

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Hazardous waste drums/containers of any size are kept (stored) in this area for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

Note: The Lead, Sink Sludge and Baghouse waste are stored with the Jewelry powder/sweeps in the same containers.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area # S-2 (located in the melt room (See facility plot plan attached)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF EQUIPMENT	TOTALE VOLUME	UNIT OF MEASURE
17.0' x 20 0'	S-1	40 any size containers	2200	Total Equivalent Gallons

II. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	591 172	Jewelry powder/sweeps	S-1	unknown	2200	T.E.G
D011	171	Sink Sludge	S-1	unknown	unknown	unknown
D008 D011	172 591	Baghouse Waste	S-1	unknown	unknown	unknown

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Hazardous waste drums/containers of any size are kept (stored) in this area for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

Note: The Lead, Sink Sludge and Baghouse waste are stored with the Jewelry powder/sweeps in the same containers.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area # S-3 (Metal shed, located near the floor scale Area (See facility plot plan attached.)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
17.0' x 3.5'	S-1	10 of any size containers	550 Total Equivalent Gallongs	Total Equivalent Gallons

III. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry powder/sweeps	S-1	unknown		T.E.G

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Hazardous waste drums/containers of any size are kept (stored) in this area for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area # S-4 (located near the Floor scale Area (See facility plot plan attached).

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
21.0'x18.0'	S-1	80 of any size containers	4400	T.E.G

IV. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry powder/sweeps/slag/excluded recyclable material/etc	S-1	unknown	4400	T.E.G
D011	171	Sink Sludge	S-1	Unknown	unknown	unknown
D008 D011	172 591	Baghouse Waste	S-1	unknown	unknown	unknown

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Hazardous waste drums/containers of any size are kept (stored) in this area for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

Note: The Lead, Sink Sludge and Baghouse waste are stored with the Jewelry powder/sweeps in the same containers.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area # S-5 (located in the Melt Room (See facility plot plan attached.)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
6.5' x 6.0'	S-1	10 of any size container	550	Total Equivalent Gallons

V. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D088 D011	172 591	Jewelry powder/sweeps/slag	S-1	unknown	550	T.E.G
D011	171	Sink Sludge	S-1	unknown	unknown	unknown
D008 D011	172 591	Baghouse Waste	S-1	unknown	unknown	unknown

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Hazardous waste drums/containers of any size are kept (stored) in this area for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

Note: The Lead, Sink Sludge and Baghouse waste are stored with the Jewelry powder/sweeps in the same containers.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area # S-6 –Located in the Fabrication Room #2 –Stored Liquid Waste (See facility plot plan attached.)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
5.0 x 5.0 ft	S-1	Any size containers	133	G

VI. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D011 D002	172 792	Sweeps and Mixed Acid Waste from Laboratory Activities and Virgin Chemicals (acids), etc.	S-1	unknown	55	G

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Hazardous waste drums/containers of any size are kept (stored) in this area for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area # S-7 (Vault) – located near the Fabrication room #2 (See facility plot plan attached)
Storage of solid Hazardous waste, including Excluded Recyclable Material.

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
16.0'X12.0'	S-1	Any size containers	1100	T.E.G

VII. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	172 591	Jewelry powder/sweeps or excluded recyclable material	S-1	unknown	1100	T.E.G
		Or slag				
D011	171	Sink Sludge	S-1	unknown	unknown	Unknown

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Metal bars are stored in this security vault before being shipped to an off-site facility for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

Note: The Lead and Sink Sludge are stored with the Jewelry powder/sweeps in the same containers.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area # S-8 – located in Fabrication Room #2 (See facility plot plan attached.)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
12.0'x7.0'	S-1	6 of Any size containers	330 T.E.G	T.E.G

VIII. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008	181	Cuples and Crucibles containing lead from the site laboratory activities.	S-1	Cuple 33%	330	T.E.G
				Crucible 3%		

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Hazardous waste drums/containers of any size are kept (stored) in this area for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area

Storage Area # S-9 – located in the Melt room (See facility plot plan attached.)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
5.0 x 5.0 ft	S-1	Any size containers	115	G

IX. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D011	172	Silver Chip	S-1	unknown	55	G
D011	171	Sink Sludge	S-1	unknown	unknown	unknown

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

Hazardous waste drums/containers of any size are kept (stored) in this area for further processing. A log sheet is placed near the Area to record the activities of the storage Area.

Note: The Sink Sludge is stored with the Jewelry powder/sweeps in the same container.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area-Coolant #7A (Located in the melt room)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
6.5' x 6.0'	S-2	1	5000	P

X WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	171, 172 591	Slag, sweeps/Jewelry sweeps	S-2	unknown	5000	P

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

All hazardous waste needed to cool down is placed in this unit. This unit is connected to the two baghouses.

Note: The Lead is stored with the Jewelry powder/sweeps in the same container.

HAZARDOUS WASTE FACILITY STANDARDIZED PERMIT UNIT-SPECIFIC FORM

(NOTE: copy this form, and complete a separate form for each hazardous waste management unit that is or will be regulated under the Standardized Permit)

UNIT Number Storage Area Coolant # 7B (Located in the melt room)

DIMENSIONS OF CONTAINER STORAGE AREA OR TANK FARM (length and width)	PROCESS CODE	# OF CONTAINERS OR TANKS	TOTAL STORAGE VOLUME	UNIT OF MEASURE
6.5'x 6.0'	S-2	1	5000	P

XI. WASTE STORED

WASTE CODE(S)		WASTE DESCRIPTION	PROCESS CODE(S)	MAX. CONCENTRATION	ESTIMATED QUANTITY	UNIT OF MEASURE
RCRA	CA					
D008 D011	171, 172 591	Slag, jewelry sweeps/powder	S-2	unknown	5000	p

(Modify the form if more than 5 waste streams are stored in this unit)

III. DESCRIPTION AND LOCATION OF STORAGE UNIT

This unit is a vault used for cooling bars and other metals containing precious metal. This unit is connected to the baghouses.

Note: The Lead is stored with the Jewelry powder/sweeps in the same container.

SUMMARY OF EQUIPMENT INFORMATION (EXCLUDING STORAGE DRUMS/CONTAINERS)

FACILITY EQUIPMENT NAME	PROCESS CODE	CAPACITY	DIMENSION	CONSTRUCTION MATERIAL	YEAR BUILT
Ball Mill #1	T2	170	62"x35"	metal	unknown
Screen #2	T2	100P	58.0"x35.5"	steel	unknown
Screen #3	T2	100 p	12 0"x16.0"	steel	unknown
Ball mill #4	T2	170 p	31.0"x58.0"	steel	unknown
Screen #5	T2	120 P	26.0"x 41.0"	steel	unknown
V-Blender #6	T2	500 P	19.0"x48.0"	steel	unknown
Drum Blender #7	T2	50 P	14.0"X23.0"	steel	unknown
Rod mill #8	172	30	15.0"x16.0"	steel	unknown
Rod mill #9	T2	30 P	14.0"x12.0"	steel	unknown
Ball Mill #12	T2	400 P	32.0"x46.0"	steel	unknown
Jaw Crusher #13	T2	500 pound/batch	18"x22"x47"	steel	unknown
Roaster Furnace #14	T2	200 P	9'X8'	steel	unknown
Induction Furnace #15	T2	13.7 pounds	8.0"x17.0"	steel	unknown
Induction Furnace #16	T2	13.7 Pounds	8.0"x17.0"	steel	unknown
Induction Furnace #17	T2	34.3 Pounds	7.0"x13.0"	steel	unknown
Induction Furnace #18	T2	16 pounds	10.0"x16.0"	steel	unknown
Induction Furnace #18A	T2	450 pounds	10.0"x16.0"	steel	unknown

FACILITY EQUIPMENT NAME	PROCESS CODE	CAPACITY	DIMENSION	CONSTRUCTION MATERIAL	YEAR BUILT
Gas Furnace #19	T2	20.6 pounds	14,0"x19,0"	steel	unknown
Gas Furnace #20	T2	20.6 pounds	16.0"x14.0"	steel	unknown
Gas Furnace #21	T2	450p	12.0"x24,0"	steel	unknown
Gas Furnace #22	T2	1500p	21.0"x38.0"	steel	unknown
Gas Furnace #23	T2	1500 p	28.0"x38.0"	steel	unknown
Baghouse #1	T2	Na	8.3'wx8.1'Lx24.8H	steel	1990
Baghouse #2	T2	Na	8.3'wx8.1'Lx24.8H	steel	1990
Evaporator	T2	250G	37.0"x51.0"	steel	1990
Storage Area #1	S1	1155 TEG	16.0' x 10.0'	concrete	1990
Storage Area #2	S1	2200 TEG	17.0' x 20.0'	concrete	1990
Storage Area #3	S1	550 TEG	17.0' x 3.5'	steel	1990
Storage Area #4	S1	4400 TEG	21.0' x 18.0'	concrete	1990
Storage Area #5	S1	550 TEG	6.5' x 6.0'	concrete	1990
Storage Area #6	S1	133 G	5.0' x 5.0'	poly	unknown
Storage Area #7	S1	1100 TEG	13.0' x 12.0'	steel	unknown
Storage Area #8	S1	330 TEG	12.0' x 7.0'	concrete	1990
Storage Area #9	S1	115 G	5.0' x 5.0'	polyethylene	unknown
Coolant 7A	S2	550 G	6.5' x 6.0'	steel	unknown

FACILITY EQUIPMENT NAME	PROCESS CODE	CAPACITY	DIMENSION	CONSTRUCTION MATERIAL	YEAR BUILT
Coolant 7B	S2	550 TEG	6.5' x 6.0'	steel	unknown

CODES TO BE USED IN THESE TABLES:

FACILTY EQUIPMENT NAME: The name or identification assigned by the Facility, e.g Tank A, Furnace #1, etc

PROCESS CODES:
S1 – Storage in containers
S2 - Storage in tanks
T1 – Treatment in containers
T2 - Treatment in tanks

CAPACITY: maximum equipment storage capacity or equipment monthly treatment rate

DIMENSIONS:
Container or drums for treatment - diameter and height in inches (in), feet (ft),
Tanks, reactors, vats, furnaces, filter press, etc - diameter, length, width, and height in inches (in), feet (ft),
Other Types of Units - appropriate units of measure; please clearly define the units

CONSTRUCTION MATERIAL: carbon steel, stainless steel, fiberglass, etc.

YEAR BUILT: Enter the year when the equipment was built, if known; otherwise enter "unknown"

AA-9

ENVIRONMENTAL INFORMATION FORM

The following information is requested pursuant California Code of Regulations, Title 14, Section 15063(e) This information will be used by the Department of Toxic Substances Control (DTSC) in conducting an Initial Study to determine if the proposed project may have a significant effect on the environment The findings of the Initial Study will assist DTSC in determining whether an Environmental Impact Report, Negative Declaration or other environmental document should be prepared pursuant the California Environmental Quality Act (CEQA).[1]

Instructions:

Provide the information requested below and within each of the environmental resource categories (use additional sheets, if necessary) If the item is not applicable to the project, include a brief explanation as to why it would not be applicable. Include the name, title and page numbers for all reference documents used in support of the information provided If an individual is used as a reference, please include name, title, employer, and date of the interview. Attach copies of all references

PROJECT TITLE:
David H. Fell & Co , Inc.

PROJECT ADDRESS: 6009 Bandini Blvd.	CITY: Commerce	COUNTY :Los Angeles
PROJECT SPONSOR:	CONTACT: Max Rafii	PHONE: 323-722-9992

PROJECT DESCRIPTION: DHF site is located at 6009 Bandini Blvd., Commerce, California 90040, in Los Angeles County, at latitude 34 degree 59' , 7" North and longitude 118 degree 9' 15" West The facility is physically located in the City of Bell; however, the mail address is the City of Commerce. The facility is located above the 100-year flood plain in an area Zoned "M" Manufacturing. The Facility is located on Parcel III, in the City of Bell, filed in Book 15, Page 75 of Parcel Maps in the Office of the Los Angeles County Recorder

DHF transports hazardous waste containing silver and precious metals from known offsite generators to the facility under manifest or under a bill-of-lading when qualifying under small quantity exemption. The waste is assayed in the DHF laboratory to determine its precious metal content. The incoming waste is processed to maximize the reclamation of precious metals in the physical from request by customers. The DHF treatment and storage units are located in an enclosed building as shown in the facility plot plan. The treatment room located on the west side of DHF is divided into a melting room on the north end and powder processing room on the south end identified in the plot plan. The process flow diagram attached describes the treatment processes used to refine and smelt the incoming waste in the melting room into precious metals ingots and beads and the treatment process used to produce the precious metal powder in the powder processing room. The melting room, where the refining and smelting process are conducted, contains gas furnaces, and induction furnaces, which are on attached facility plot plan. The furnaces produce precious metal ingot and slag. Gases and particulates from the furnaces are ducted to two-air pollution control system (baghouses) located outside near the northwest corner of the facility as shown in the facility plot plan. In the powder processing room, the incoming waste and slag from the furnaces are processed through mechanical size reduction equipment in the powder processing room, which are identified in the facility plot plan attached. An evaporator unit located outside the facility near the northeast corner, evaporates hazardous waste generated in the melting and fabrication rooms, and returns the solid waste left in the evaporator to the treatment process. Solid waste and liquid waste storage units are located in the facility to facilitate treatment processes. All storage units are identified in the plot plan attached. Total of nine hazardous waste Storage Area (liquid/Solid) are located in the facility as is described on attached facility plot plan.

1. Aesthetics

Description of Baseline Environmental Conditions:

a. Describe the site's proximity to a scenic vista.
The site lies in the Downey Plain within the Central Basin Pressure Area, approximately one mile northeast of the Los Angeles River and the Long Beach (710) Freeway According to the City of Bell, and Los Angeles County record the site is

[1] Pub. Resources Code, div. 13 § 21000 et seq

not close to any Scenic Vista

b. Describe the site's proximity to a state scenic highway that contains scenic resources, including, but not limited to, trees, rock outcroppings and historic buildings.
The site is located one-mile northeast of Santa Ana (5) Freeway, and one mile northeast of the Long Beach Freeway (710). James George Bell, the historical building, is located approximately 2 5 miles from the site.

c Describe the existing visual character or quality of the site and its surroundings
The existing visual character and the quality of the site and surrounding are in an excellent condition No cracks or stains were observed on the floor of the facility.

d. Describe existing sources of light at and in proximity to the site.
From Southern California Edison Co , electrical Facility

References Used: Geo-Services Report.

2. Agricultural Resources

Description of Baseline Environmental Conditions:

a. Indicate if the site is located on or in proximity to Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency.
The site is not located on or in the proximity of Farmland of Statewide Map

b. Indicate if the site is located on or in proximity to land zoned for agriculture use, or under Williamson Act contract
The site is not located on or in proximity to land zoned for agricultural use.
References Used: Geo-Services Report.

3. Air Quality

Description of Baseline Environmental Conditions:

a. Identify the applicable air quality management district having jurisdiction over the air basin where the site is located.
The site is located in the jurisdiction of South Coat Air Quality Management (SCAQMD).

b Identify the criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)
None

c. Describe all equipment or processes that would be stationary or mobile sources of air emissions or odors, and indicate whether a permit from the applicable air quality management district would be required for such equipment or processes, or any other aspect of the project

DHF is using powder processing equipment and Induction/natural gas furnaces. Powder processing units are: Ball mills, screening units, V-Blender. Each one of these units is permitted.
Melt Room Units: Induction Furnaces, Natural gas Furnaces, Two Baghouses, and Evaporator. Each one of these units is permitted
Coolers - not permitted individually. Permitted as a portion of the baghouse permits

d. Indicate if the site is a source of Naturally Occurring Asbestos
No

References Used: Geo-Services Report-SCAQMD Permits

4. Biological Resources

Description of Baseline Environmental Conditions:

a. Identify any candidate, sensitive or special status species in local or regional plans, policies, or regulations, or by the

California Department of Fish and Game or U S Fish and Wildlife Service that may be present at or in close proximity to the site
None

Identify any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Game or U S Fish and Wildlife Service that may be present at or in close proximity to the site
None

c. Identify any federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) that may be present at or in close proximity to the site
None

d. Identify any native resident, migratory fish, wildlife species, nursery sites or corridors that may be present at or in close proximity to the site
None

e Identify any local policies or ordinances, such as a tree preservation policy, protecting biological resources that may be present at or in close proximity to the site
None

f Identify any adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan that may be applicable to biological resources present at or in close proximity to the site
None

References Used: Geo-Services report

5. Cultural Resources

)escription of Baseline Environmental Conditions:

a. Identify any historical resources, as defined in section15064 5 of Title 14 of the California Code of Regulations (CEQA Guidelines or Guidelines) that may be present at or in close proximity to the site
None

b Identify any archeological resources, pursuant to section 15064.5 of the Guidelines that may be present at or in close proximity to the site.
None

c. Identify any unique paleontological resources or unique geologic features that may be present at or in close proximity to the site.
None

d. Identify any human remains, including those interred outside of formal cemeteries that may be present at or in close proximity to the site.
None

e. Provide the results of any California Historical Resources Information System (CHRIS) inventory search conducted by the appropriate Office of Historic Preservation (OHP) Information Center.
None

f. Provide the results of any Registry of Sacred Sites search conducted by the Native American Heritage Commission (NAHC) and summary of any follow-up contacts with tribal representatives.
None

References Used: City of Bell Information Section/ Commerce Library Reference Desk.

6. Geology and Soils

Description of Baseline Environmental Conditions:

a. Describe the sites location relative to nearby areas of known earthquake faults, delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area, or based on other substantial evidence. (Refer to Division of Mines and Geology Special Publication 42)
The Site is Located approximately 35 miles to the Whittier Narrow Fault

b Describe the sites location relative to nearby geologic units or soils that are unstable, or that might become unstable as a result of the project
The subject site is located in the Downey Plain within the Central Basin Pressure Area, approximately one mile of Los Angeles River The Soil beneath the site are Recent Alluvium deposits consisting of primary stream deposited gravel, sand, silt, and clay The Exposition-Artesia aquifer, the Gage aquifer and an unnamed aquiclude which are part of the Upper Pleistocene Lakewood Formation lie beneath the recent Alluvium The Lakewood Formation is unconformable underlain by the Lower Pleistocene San Pedro Formation which contain the Hollydale, Jefferson, Lynwood, Silverado, and Sunnyside aquifers in the site vicinity (CDWR Bull. 104A, 1961)

c. Indicate if the site is located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994)
The site is located on expansive Alluvium deposits consisting of primary stream deposited gravel, sand, silt, and clay.

d If wastewater will be disposed and sewers are not available, indicate if the site is located on soils that are capable of adequately supporting the use of septic tanks or alternative wastewater disposal systems.
The wastewater from the operation is processed via an evaporator.

e. Provide a contour site map.
This map is provided previously, in the attachment 7-GeoService report.

References Used: Geo-Services report (Phase I Environmental study)

7. Hazards and Hazardous Materials

Description of Baseline Environmental Conditions:

a. Describe those aspects of the proposed project that may involve the transport, use or disposal of hazardous materials.
DHF operates a hazardous waste transfer, storage, and treatment facility. DHF reclaims silver and other precious metals from off-site generated hazardous waste Silver is a Resource Conservation and Recovery Act (RCRA) hazardous waste when it is at a concentration above the level establishing wastes as hazardous under the Toxicity Characteristic Leaching Procedure (TCLP). DHF ships hazardous waste containing silver and other precious metals to the off-site facilities under manifest or Bill of Lading when qualifying under Excluded Recyclable Material provisions.

The waste is assayed in the DHF laboratory using advanced instrumental methods (ICP, X-Ray), to determine its precious metal content. The incoming waste is processed to maximize the reclamation of precious metals. DHF determined that, due to storage of hazardous waste and other activities at the site, no potential harm would happen either to the people or the environment (the solid waste and liquid waste are stored in the proper and approved containers, at the designated hazardous waste areas). All processes defined and equipment used in these processes are permitted either by DTSC or SCAQMD All equipment in the powder processing and the melting processing are connected to the baghouses. The baghouses protect the environment and the people from any emissions to the air

The site operations include melting of precious metals like silver, gold, and fabricating them into plates and bars Several acids and salts are used onsite. Waste metal cuttings and spent acids are generated by the fabrication process The waste metal cuttings and spent acids are stored in 55-gallon drums and disposed off site by an approved disposal company (IWU). The 55-gallon spent acid drum is stored within a secondary containment area, located in the fabrication room # 2 The study by the Geo-Services indicated that there are no significant cracking and/or staining observed on the containment areas or any one of the hazardous waste storage areas"

A Phase 1 Site Assesment of the DHFCo site was performed by Smith-Emery Geo-Service personnel The property was observed for, but not limited to, evidence of underground storage tanks, drums, sump, pits, lagoons, leach field, dry wells, suspected polychlorinated bi phenyls (PCBs), asbestos containing building materials, potential contamination, and on site handling of hazardous material and wastes. No evidence of potential harm to the people and or the environment was found.

b. Summarize the conclusions of any studies that examined any hazards to the public or the environment through reasonably foreseeable upset and accident conditions at the site that involved the release of hazardous materials into

the environment.
The study by DHF consultant, CDMS, and Geo-Services, indicated that no hazard to the public or environment exist due to the operation of the site. References: Phase I, Environmental Site Assessment by Smith-Emery Geo-services Based on this study there is no potential risk due to the operation of the site, to the personnel or environment at or around the cility No records of any hazardous materials storage were on file for the adjacent sites at the Fire Department, City of Los Angeles.

c. Describe those aspects of the project that may emit hazardous emissions or handle hazardous or acutely hazardous materials, substances or waste within one-quarter mile of an existing or proposed school or other sensitive receptors
There are no schools within one-quarter mile of the site

d Indicate if the site is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962 5
The site is not included on a list of hazardous material sites complied by government

e. Identify and describe the conditions of any adopted emergency response plan or emergency evacuation plan that would be required during proposed project implementation.
DHF created a complete contingency response plan for evacuation. References Used: Max Rafii, HS and Environmental Manager and DHF Contingency Plan, by Chemical Data Management Systems (CDMS), our consultant.

8. Hydrology and Water Quality

Description of Baseline Environmental Conditions:

a Identify and describe any water quality standards or waste discharge requirements that may apply to the proposed project. If applicable, include the name of the applicable Regional Water Quality Control Board responsible for project oversight.
DHF is under the guidelines of the State Water Resources Control Board (Storm Water Discharge Associated with dustrial Activities).

b Indicate if the site is located over a known groundwater aquifer, and describe those aspects of the project that may require the extraction or recharge of groundwater.
No

c. Describe any site drainage features, including streams or rivers, and the capacity of existing or planned storm water drainage.
There is one storm water drain located in the parking lot, south side of the facility. This Storm Water drain is under the Permit issued by the State Water Board, General Permit.

d. Indicate if the site is located within a 100-year flood hazard area
The Project Manager for the Geo-Services Co indicated that, the DHF Site is not located within a 100-year flood hazard area

e Indicate if the site is located in an area subject to inundation by sieche (resonant oscillation of water), tsunami or mudflow
It is not.

References Used: Phase I Environmental Site Assessment by Smith-Emery Go-Services.

9. Land Use and Planning

Description of Baseline Environmental Conditions:

a Identify the zoning designation and allowable land uses and limitations of the site and the applicable land use plan, policy, or regulation and agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance).
The zoning designation for the site is Manufacturing, "M" The land use is for industrial use only. The zoning ordinance is for industrial/Manufacturing, per City of Bell authorities.

b Identify the applicable habitat conservation plan or natural community conservation plan and agency with jurisdiction over the project.
None City of Bell, and Los Angeles County Authorities

References Used: Geo-Services report (Phase I Environmental Studies).

10. Mineral Resources

Description of Baseline Environmental Conditions:

a Identify any mineral resources that would be of value to the region and the residents of the state that are located on or in proximity to the site
None present

b Indicate if the site is a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan.
No

References Used: Geo-Services report (Phase I environmental studies)

11. Noise

Description of Baseline Environmental Conditions:

a Describe those aspects of the project that would generate noise, the anticipated noise levels, and the standards established in the local general plan or noise ordinance, or applicable standards of other agencies
The large Ball Mill generates noise. Acoustic Standard Co of Chino, California, evaluated the noise generated on equipment at the facility The report Indicated that the overall levels of the noise are within the legal limit

b Describe those aspects of the project that would generate noise excessive groundbourne vibration or groundbourne noise levels.
None

c Describe ambient noise levels at and in the vicinity of the site
Road noise from Bandini Blvd in the vacinity Small machinery, office equipment within the facility

References Used: Acoustic Standard Co.

12. Population and Housing

Description of Baseline Environmental Conditions:

a Describe those aspects of the project that would induce substantial population growth in area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure).
None

b Describe those aspects of the project that would displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere.
None

c Describe those aspects of the project that would displace substantial numbers of people, necessitating the construction of replacement housing elsewhere
None

References Used: Max Rafii - Health Safety & Environmental Affairs Manager.

13. Public Services

Description of Baseline Environmental Conditions:

Describe to what extent the following services are currently being provided at or in proximity of the site:

- Fire protection: Los Angeles Fire Department
- Police protection: Los Angeles Police Department/ City of Bell Police Department
- Schools: City of Bell
- Parks City of Bell, City of Commerce
- Other public facilities: Library at City of Bell, City of Commerce

References Used: City of Bell, Commerce library

14. Recreation

Description of Baseline Environmental Conditions:

Describe existing neighborhood and regional parks or other recreational facilities that are located at or in proximity of the site
The neighborhood is primarily industrial with a small amount of residential space. Rosewood Park, less than a mile.

References Used: City of Commerce library Reference Desk- City of Los Angeles, Fire Department

15. Transportation and Traffic

Description of Baseline Environmental Conditions:

a. Describe those aspects of the project that would affect the existing transportation system at and in the vicinity of the site.
None

b. Describe the traffic load and capacity of the street system in the vicinity of the site.
Four lane boulevard handles approximately 600 cars/hour

c. Describe the level of service standard established by the country congestion management agency for designated roads or highway
None

d. Describe any hazards due to design features (e.g., sharp curves or dangerous intersections) or incompatible uses (e g., farm equipment) of roads or highways that may exist in the vicinity of the site.
None

e Describe emergency access routes that may exist at or in the vicinity of the site.
None

f. Describe the current parking capacity existing at or in the vicinity of the site.
There are ample parking spaces available at or around the site. (32)

g. Describe any adopted policies, plans, or programs supporting alternative transportation (e.g , bus turnouts, bicycle racks) that may exist at or in the vicinity of the site.
None available

References Used: City of Los Angeles/Los Angeles County Transportation Department

16. Utilities and Service Systems

Description of Baseline Environmental Conditions:

a. Describe those aspects of the project that would require wastewater treatment approvals from the applicable Regional Water Quality Control Board.
All wastewater is evaporated on site alleviating the necessity of a discharge permit from the LA County Sanitation District

b. Describe those aspects of the project that would require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities
None

c. Describe those aspects of the project that would require or result in the construction of new storm water drainage facilities or expansion of existing facilities.
None

d Identify water supplies that are available to serve the project from existing entitlements and resources, or if new or expanded entitlements are needed
Water is supplied through California Water Servive No expanded entitlements are needed.

e. Identify the wastewater treatment provider that serves or may serve the project, and indicate whether or not it has adequate capacity to serve the projects projected demand in addition to the providers existing commitments.
The evaporator on site is capable of processing the total wastewater generated on the site

f. Describe those aspects of the project that would require disposal of materials at a landfill, identify the landfill to be utilized, and indicate if the landfill has sufficient permitted capacity to accommodate the projects solid waste disposal needs
Industrial Waste Utilization, Inc is the current hazardous waste broker for DHF and is presently sending the waste stream (cuple with lead, to US Filter Recovery Services (Formerly D.K Environmental) located in Los Angeles CA. The waste stream exhibits the E.P.A waste Code D008 for lead and is currently being disposed of via stabilization/landfill US Filter Recovery Services receives the waste and directs the material to US Ecology located at Hwy 95 at 11 miles south of Beatty, Beatty, NV 89003-Phone (775)553-2203-EPA # NVT330010000 US Ecology is a fully permitted landfill and treatment facility, which has a bulk fill capacity of 2.36 million cu.yard and is currently constructing a second fill trench with an additional capacity of 1.2 million yards.

References Used: IWU Project Manager

BIBLOGRAPHY FOR ALL SOURCES:

COUNTY OF LOS ANGELES FIRE DEPARTMENT, HAZARDOUS WASTE SECTION
DEPARTMENT OF PUBLIC WORKS (HYDROLOGIC RECORDS SECTION
CITY OF BELL LIBRARY
CHEMICAL DATA MANAGEMENT SERVICES (CDMS), CONSULTANT TO DHF
GEO-SERVICES PHASE I, ENVIRONMENTAL STUDIES
CITY OF COMMERCE LIBRARY-REFERENCE DESKK
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
U.S. Geologic Survey
STATE OF CALIFORNIA-DTSC
VISTA INFORMATION SOLUTION, INC., REGULATORY DATABASE REPORT AND AERIAL PHOTOGRAPHS
INDUSTRAL WASTE UTILIZATION (IWU), PROJECT MANAGER

Certification:

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and in formation presented are true and correct to the best of my knowledge and belief

Preparer's Signature	10/20/06 Date

Max Rafii	HS & Environmental Manager	323-722-9992
Preparer's Name	Preparer's Title	Phone #

Chemical Data Management Systems
Containment Certification - New Tank System and Components
Subject to 22 §66265 193

Company Name David H. Fell

Containment Name Evaporator Containment Area

(b)(1) Is containment designed, installed, and operated to prevent any migration of wastes or accumulated liquid out of the system to the soil, ground water, or surface water at any time during the use of the tank system? ☒ Yes ☐ No

Comments:

Containment area is constructed of an impermeable material to prevent migration of any accumulated liquids to the soil, ground water, or surface water.

(b)(2) Is containment capable of detecting and collecting releases and accumulated liquids until the collected material is removed? ☒ Yes ☐ No

Comments:

Containment area is designed to collect any releases until they can be removed. Releases will be visually detected by facility personnel

(c)(1) Is the containment constructed of materials that are compatible with the wastes to be placed in the tank system with sufficient strength and thickness to prevent failure due to pressure gradients, physical contact with the waste to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operations? ☒ Yes ☐ No

Comments:

Containment area is constructed out of polyethylene and is of sufficient thickness to prevent failure.

(c)(2) Is containment placed on or consisting of a foundation or base capable of providing support to the secondary containment system and resistance to pressure gradients above and below the system and capable of preventing failure due to settlement, compression, or uplift? ☒ Yes ☐ No ☐ NA

Comments:

Foundation appeared adequate and was free of gaps and cracks

(c)(3) Is containment provided with a leak detection system that is designed and operated so that it will detect the failure of either the primary or secondary containment structure or any release of hazardous waste or accumulated liquid in the secondary containment system within 24 hours, or at the earliest practicable time if detection technology or on site conditions will not allow detection of release within 24 hours? ☐ Yes ☒ No

(c)(4) Is containment sloped or otherwise designed or operated to drain and remove liquids resulting from spills, leaks, or precipitation? ☒ Yes ☐ No

(d) Secondary Containment Device is:

☒ Liner ☐ Vault ☐ Double Walled ☐ Other _____

If Liner:

(e)(1)(A) Designed to contain 100% capacity of largest tank within its boundary?

☒ Yes ☐ No ☐ NA

Comments:

See attached calculations.

(e)(1)(B) Designed or operated to prevent run-on and infiltration of precipitation into the secondary containment system unless the collection system has sufficient excess capacity (must contain infiltration of 25 year, 24 hour storm in addition to (e)(1)(A) requirement)? ☐ Yes ☐ No ☒ NA

Comments:

Containment area is covered by a roof overhead

(e)(1)(C) Free of cracks or gaps? ☐ Yes ☒ No ☐ NA

Comments:

There are two minor gaps on the exterior of the containment area. Further inspection revealed that there is no internal damage to containment area

(e)(1)(D) Designed and installed to completely surround the tank and to cover all surrounding earth likely to come into contact with the waste if released from the tank(s)? ☐ Yes ☒ No ☐ NA

Comments:

Containment area does not completely surround the tank, but does cover all surrounding earth likely to come into contact with waste.

If Vault:

(e)(2)(A) Designed to contain 100% of the capacity of the largest tank within its boundary?

☐ Yes ☐ No ☒ NA

Comments:

Containment area is covered by a roof overhead.

(e)(2)(B) Designed or operated to prevent run-on and infiltration of precipitation into the secondary containment system unless the collection system has sufficient excess capacity (must contain infiltration of 25 year, 24 hour storm in addition to (e)(1)(A) requirement)?

☐ Yes ☐ No ☒ NA

Comments:

(e)(2)(C) Constructed with chemical-resistant water stops in place at all joints?

☐ Yes ☐ No ☒ NA

Comments:

(e)(2)(D) Provided with an impermeable interior coating or lining that is compatible with the waste being transferred, stored, or treated and that will prevent migration of waste into the concrete?

☐ Yes ☐ No ☒ NA

Comments:

(e)(2)(E) Provided with means to protect against the formation of and ignition of vapors within the vault, if applicable? (is ignitable or reactive waste)

☐ Yes ☐ No ☒ NA

Comments:

(e)(2)(F) Provided with an exterior moisture barrier or otherwise designed or operated to prevent migration of moisture into vault, if applicable?

☐ Yes ☐ No ☒ NA

Comments:

If Double Walled Tank:

(e)(3)(A) Designated as integral structure so that any release from inner tank is collected by outer shell?

☐ Yes ☐ No ☒ NA

Comments:

(e)(3)(B) Protected, if constructed of metal, from both corrosion of the primary tank interior and the external surface of the outer shell?

☐ Yes ☐ No ☒ NA

Comments:

(e)(3)(C) Provided with a built-in, continuous leak detection system capable of detecting a release within 24 hours or earliest practicable time?

☐ Yes ☐ No ☒ NA

Comments:

(f) Ancillary equipment provided with full secondary containment except for above ground piping that is visually inspected on a daily basis; welded flanges, welded joints, and welded connections that are visually inspected on a daily basis; sealess or magnetic coupling pumps that are visually inspected on a daily basis and; pressurized aboveground piping systems with automatic shutoff devices that are visually inspected on a daily basis? ☒ Yes ☐ No ☐ NA

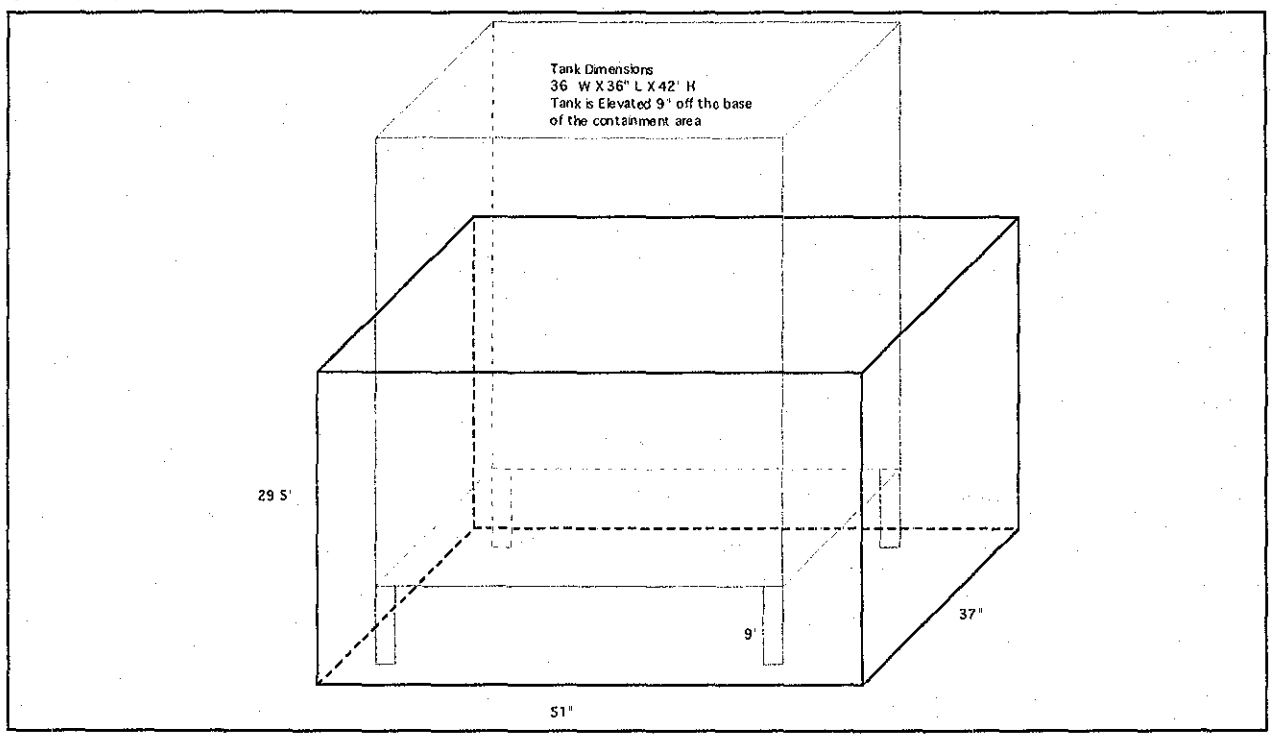
Comments:

Is the tank system authorized under Permit by Rule, Conditional Authorization, or Conditional Exemption?	☐ PBR ☐ CA ☐ CE
What is the precipitation from a 24-hour, 25-year storm?	NA
What is the volume of all containers/tanks?	235 gallons
What is the volume of the largest container?	235 gallons
What is the containment capacity?	240 gallons
Is there sufficient capacity?	☒ Yes ☐ No

Description

Containment area consists of a rectangular box constructed out of polyethylene. The box is positioned under the evaporator tank to collect any leaks from the evaporator.

Sketch of Containment Area:



Qualified Person:	Will Martin
Inspection Date:	10/23/07
Expiration Date:	10/23/2012

Notice: Tank certification is valid for Five (5) years from inspection date or until expected end of life.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

11-6-07

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY ROBERT LUNDELL
M 029398
6-30-09
Exp
MECHANICAL
STATE OF CALIFORNIA

David H Fell Company

Containment Calculations

October 2007

Evaporator Containment Area

Containment	
Height (Ft)	2 46
Side 1 (Ft)	3 08
Side 2 (Ft)	4 25
Volume (Cu Ft)	32 21
Gallons	240 96
Total Containment	240.96

Containment Rain Effect	
Height (Ft)	0 00
Side 1 (Ft)	0 00
Side 2 (Ft)	0 00
Volume (Cu Ft)	0 00
Gallons	0 00
Total Containment	0.00

Tanks	
Tank No s/Name	Evaporator
Ht (Ft)	3 50
Radius of Top (Ft)	
Side 1 (Ft)	3 00
Side 2 (Ft)	3 00
Volume (Cu Ft)	31 50
Gallons	235.62

Tank volume in containment area that must be subtracted out	
	Evaporator
Ht (Ft)	NA
Radius of Top (Ft)	0
Side 1 (Ft)	0
Side 2 (Ft)	0
Volume (Cu Ft)	0 00
Gallons	0 00

Summary	
Containment Volume	240 96
Rain	0 00
Displacement Volume	0 00
Net	240 96
Tank Total	235 62
10% Rule	23 56
Largest tank	235.62
Percent Capacity	98%

Chemical Data Management Systems
Containment Certification For Tanks- Subject to CCR 66265.193
RCRA Tank Installed after January 12, 1988, Non RCRA July 1, 1992

David H Fell & Co , Inc.
Company Name

Fabrication Room
Containment Name

Is the containment designed, installed, and operated to prevent any migration of wastes to the soil, ground water, or surface water at any time during the use of the tank system; and ☒ Yes ☐ No

Is the containment system capable of detecting and collecting releases and accumulated liquids until the collected material is removed? ☒ Yes ☐ No

What is underlayment material? CONCRETE

What is coating material? NA

Is coating compatible with waste? ☒ Yes ☐ No Is foundation adequate? ☒ Yes ☐ No

Is 24 hour monitoring system in place? ☐ Yes ☒ No

Containment designed or operated to drain and remove liquids? ☒ Yes ☐ No

Are containers/tanks elevated or otherwise protected from liquids? ☒ Yes ☐ No

Is containment indoors or outdoors? ☒ Indoors ☐ Outdoors Is run-on prevented? ☒ Yes ☐ No

Secondary Containment Device ☐ Liner ☐ Vault ☐ Double Walled ☒ Other

If a LINER, ☐ Berm is it a) free of cracks or gaps and b) designed and installed to completely surround tank and to cover all surrounding earth likely to come into contact with the waste if released from the tanks? ☐ Yes ☐ No

If a VAULT, is it a) constructed with chemical resistant water stops in place at all joints (if any) b) provided with an impermeable interior coating or lining that is compatible with the waste c) provided with a means to protect against the formation of and ignition of vapors within the vault if waste is being transferred stored or treated and d) provided with an exterior moisture barrier or otherwise designed or operated to prevent migration of moisture into the vault if the vault is subject to hydraulic pressure? ☐ Yes ☐ No

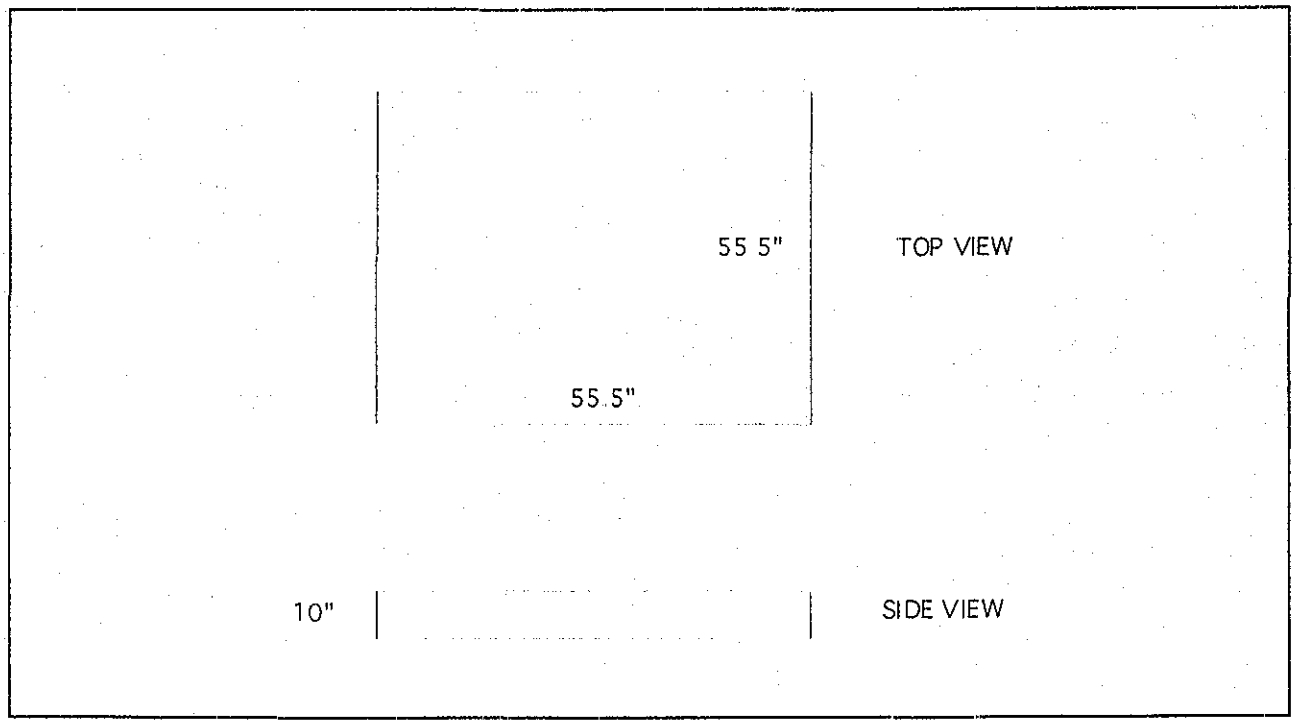
If a DOUBLE WALLED TANK, is it a) designed as an integral structure so that innner tank releases are contained by the outer tank, b) protected from both corrosion of the primary tank interior and the external shell of the outer tank and c) provided with a built in 24 hour monitoring system ☐ Yes ☐ No

Chemical Data Management Systems
Containment Certification For Tanks- Subject to CCR 66265.193
RCRA Tank Installed after January 12, 1988, Non RCRA July 1, 1992

David H Fell & Co , Inc
Company Name

Fabrication Room
Containment Name

Is ancillary equipment provided with full secondary containment except for 1) above ground piping that can be visually inspected daily, 2) welded flanges, joints and connections that are visually inspected daily, 3) sealless or magnetic coupling pumps that are inspected daily and 4) pressurized aboveground piping systems with automatic shut-off devices that are visually inspected daily?	☒ Yes ☐ No
Is the tank system authorized under Permit by Rule, Conditional Authorization or Conditional Exemption?	☐ PBR ☐ CA ☐ CE
What is the precipitation from a 24-hour, 25-year storm?	NA
What is the volume of all containers/tanks?	65 GAL
What is the volume of the largest container?	55 GAL
What is the containment capacity?	133 GAL
Is there sufficient capacity? (Able to contain 100% of the volume of the largest tank.)	☒ Yes ☐ No



Chemical Data Management Systems
Containment Certification - Subject to 66264.173
RCRA Containers Installed after January 12, 1988, Non RCRA July 1, 1992

David H Fell & Co., Inc
Company Name

Melt and Powder Room
Containment Name

Company Signature _____ Date 6-1-07

Certification Date May 11, 2007

Qualified Person Joanne Man

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I certify that the containment system is suitably designed to achieve the requirements of this section.

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY ROBERT LUNDELL
M 029398
6-30-07
Exp
MECHANICAL
STATE OF CALIFORNIA

P.L.E.
5-25-07

David H Fell Co., Inc.
Containment Calculations
Melt and Powder Room

Containment	
Height (Ft)	0 83
Side 1 (Ft)	4 30
Side 2 (Ft)	4 30
Volume (Cu Ft)	15.42
Gallons	115 32
Total Containment	115.32

Containment Rain Effect	NA
Height (Ft)	0.00
Side 1 (Ft)	0.00
Side 2 (Ft)	0 00
Volume (Cu Ft)	0 00
Gallons	0.00
Total Containment	0.00

Tanks	1 55 GaL drum
Ht (Ft)	2 50
Radius of Top (Ft)	0.96
Side 1 (Ft)	0.00
Side 2 (Ft)	0.00
Volume (Cu Ft)	7 16
Gallons	53 55

Tank volume in containment area that must be subtracted out.

Tank rests on top of spill pallet

Summary	
Containment Volume	115.32
Rain	0.00
Displacement Volume	0.00
Net	115 32
Tank Total	53.55
10% Rule	5.36
Largest tank	53.55
Percent Capacity	46%

Chemical Data Management Systems
Containment Certification For Tanks- Subject to CCR 66265 193
RCRA Tank Installed after January 12, 1988, Non RCRA July 1, 1992

David H Fell & Co., Inc
Company Name

Melt and Powder Room
Containment Name

Is the containment designed, installed, and operated to prevent any migration of wastes to the soil, ground water, or surface water at any time during the use of the tank system; and ☒ Yes ☐ No

Is the containment system capable of detecting and collecting releases and accumulated liquids until the collected material is removed? ☒ Yes ☐ No

What is underlayment material? CONCRETE

What is coating material? POLYURETHANE

Is coating compatible with waste? ☒ Yes ☐ No Is foundation adequate? ☒ Yes ☐ No

Is 24 hour monitoring system in place? ☐ Yes ☒ No

Containment designed or operated to drain and remove liquids? ☒ Yes ☐ No

Are containers/tanks elevated or otherwise protected from liquids? ☒ Yes ☐ No

Is containment indoors or outdoors? ☒ Indoors ☐ Outdoors Is run-on prevented? ☒ Yes ☐ No

Secondary Containment Device ☐ Liner ☐ Vault ☐ Double Walled ☒ Other

If a LINER, ☐ Berm is it a) free of cracks or gaps and b) designed and installed to completely surround tank and to cover all surrounding earth likely to come into contact with the waste if released from the tanks? ☐ Yes ☐ No

If a VAULT, is it a) constructed with chemical resistant water stops in place at all joints (if any) b) provided with an impermeable interior coating or lining that is compatible with the waste c) provided with a means to protect against the formation of and ignition of vapors within the vault if waste is being transferred stored or treated and d) provided with an exterior moisture barrier or otherwise designed or operated to prevent migration of moisture into the vault if the vault is subject to hydraulic pressure? ☐ Yes ☐ No

If a DOUBLE WALLED TANK, is it a) designed as an integral structure so that innner tank releases are contained by the outer tank, b) protected from both corrosion of the primary tank interior and the external shell of the outer tank and c) provided with a built in 24 hour monitoring system ☐ Yes ☐ No

Chemical Data Management Systems
Containment Certification - Subject to 66264 173
RCRA Containers Installed after January 12, 1988, Non RCRA July 1, 1992

David H Fell & Co , Inc
Company Name

Fabrication Room
Containment Name

Company Signature _____ Date 6-1-07

Certification Date May 11, 2007

Qualified Person Joanne Man

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is to the best of my knowledge and belief, true, accurate and complete I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I certify that the containment system is suitably designed to achieve the requirements of this section.

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY ROBERT LUNDELL
M 029398
6-30-07
Exp
MECHANICAL
STATE OF CALIFORNIA

5-25-07

David H Fell Co , Inc.
Containment Calculations
Fabrication Room

Containment	
Height (Ft)	0.83
Side 1 (Ft)	4 63
Side 2 (Ft)	4 63
Volume (Cu Ft)	17 83
Gallons	133 33
Total Containment	133.33

Containment Rain Effect	NA
Height (Ft)	0.00
Side 1 (Ft)	0.00
Side 2 (Ft)	0.00
Volume (Cu Ft)	0.00
Gallons	0.00
Total Containment	0.00

Tanks	1 55 GaL drum
Ht (Ft)	2 50
Radius of Top (Ft)	0 96
Side 1 (Ft)	0.00
Side 2 (Ft)	0.00
Volume (Cu Ft)	7.16
Gallons	53 55

Tank volume in containment area that must be subtracted out.

Tank rests on top of spill pallet

Summary	
Containment Volume	133.33
Rain	0 00
Displacement Volume	0 00
Net	133.33
Tank Total	53 55
10% Rule	5.36
Largest tank	53.55
Percent Capacity	40%

Chemical Data Management Systems
Containment Certification For Tanks- Subject to CCR 66265 193
RCRA Tank Installed after January 12, 1988, Non RCRA July 1, 1992

David H Fell & Co , Inc
Company Name

Melt and Powder Room
Containment Name

Is ancillary equipment provided with full secondary containment except for 1) above ground piping that can be visually inspected daily, 2) welded flanges, joints and connections that are visually inspected daily, 3) sealless or magnetic coupling pumps that are inspected daily and 4) pressurized aboveground piping systems with automatic shut-off devices that are visually inspected daily?	☒ Yes ☐ No
Is the tank system authorized under Permit by Rule, Conditional Authorization or Conditional Exemption?	☐ PBR ☐ CA ☐ CE
What is the precipitation from a 24-hour, 25-year storm?	NA
What is the volume of all containers/tanks?	110 GAL
What is the volume of the largest container?	55 GAL
What is the containment capacity?	115 GAL
Is there sufficient capacity? (Able to contain 100% of the volume of the largest tank)	☒ Yes ☐ No